

**ABSTRACT OF THE DISCLOSURE****CACHING MEMORY CONTENTS INTO CACHE PARTITIONS  
BASED ON MEMORY LOCATIONS**

Caching memory contents into cache partitions based on their locations is disclosed. A location of a line of memory to be cached in a cache is determined. The cache is partitioned into a number of cache sections. The section for the line of memory is determined based on the location of the line of memory as applied against a memory line location-dependent allocation policy. The line of memory is then stored in the section of the cache determined.